

0002/PTO
Rev. 6/95U.S. Department of Commerce
Patent and Trademark Office**NEW UTILITY PATENT
APPLICATION TRANSMITTAL**

(to be used for new applications only)

Attorney Docket Number

First Named Inventor

JACK V. Smith

Total Pages in this Submission

80

APPLICATION ELEMENTS

Notice: Checklist items mentioned under Application Elements section construct a new utility patent application. Please refer to MPEP Sections 506, 601, (37CFR 1.77, 1.53, 35 USC 111, 112, 113) for detailed explanation regarding completeness of an original patent application.

1. ☒ Fee Transmittal Form (prescribed filing fee(s))
2. Specification
 - ☒ Title of the Invention
 - ☐ Cross References to Related Applications (if applicable)
 - ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - ☐ Reference to Microfiche Appendix (if applicable)
 - ☒ Background of the Invention
 - ☒ Brief Summary of the Invention
 - ☐ Brief Description of the Drawings (if drawings filed)
 - ☒ Detailed Description
 - ☒ Claim or Claims
 - ☒ Abstract of the Disclosure
3. ☐ Drawing(s) (when necessary as prescribed by 35 USC 113)
4. ☒ Executed Declaration
5. Genetic Sequence Submission (if applicable, all must be included)
 - ☐ Paper Copy
 - ☐ Computer Readable Copy
 - ☐ Statement verifying Genetical Paper and Computer Readable Copy

ACCOMPANYING APPLICATION PARTS

6. ☐ Assignment Papers
7. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
8. ☐ Computer Program in Microfiche
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Petition Checklist and Accompanying Petition
12. ☐ Preliminary Amendment
13. ☐ Proprietary Information
14. ☐ Return Receipt Postcard
15. ☒ Small Entity Statement
16. ☐ Additional Enclosures (please identify below):

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name

JACK V. Smith

Signature

Date

3/26/99

FOR OFFICIAL USE ONLY

Application Number		Class		Independent Claims	
Date of Receipt	Application Type	GAU		Total Claims	
	Filing Date	Foreign Filing License?		Drawing Sheets	
	Small Entity	Foreign Address?		Special Handling?	

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN

Docket Number (Optional)

Applicant or Patentee: JACK V. Smith

Application or Patent No.: _____

Filed or Issued: _____

Title: Method for Manufacturing and Detecting and Normalizing HIV
For Rapid Analysis.

I hereby declare that I am

☒ the owner of the small business concern identified below:

☐ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN New Venture Associates, LLC

ADDRESS OF SMALL BUSINESS CONCERN P.O. Box 5895
Asheville, NC 28813

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

☒ the specification filed herewith with title as listed above.

☐ the application identified above.

☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention must file separate verified statements averring to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization having any rights in the invention is listed below:

☒ no such person, concern, or organization exists.

☐ each such person, concern or organization is listed below.

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING JACK V. Smith

TITLE OF PERSON IF OTHER THAN OWNER _____

ADDRESS OF PERSON SIGNING P.O. Box 5895, Asheville, NC 28813

SIGNATURE [Signature]

DATE 3/26/99

0002/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Complete if Known	
<h2 style="margin: 0;">FEE TRANSMITTAL</h2>		Application Number	
		Filing Date	
		First Named Inventor	JACK V. Smith
		Group Art Unit	
		Examiner Name	
TOTAL AMOUNT OF PAYMENT (\$)		Attorney Docket Number	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: _____</p> <p>Deposit Account Name: _____</p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the issue Fee Set in 37 CFR 1.18 at the Masing of the Notice of Allowance, 37 CFR 1.311(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other </p>	<h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code (\$)</th> <th style="text-align: left;">Small Entity Fee Code (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: left;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,390</td><td>147 2,390</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 870</td><td>112 870</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,740</td><td>113 1,740</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116 380</td><td>216 190</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117 900</td><td>217 450</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118 1,400</td><td>218 700</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>119 290</td><td>219 145</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 290</td><td>220 145</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 250</td><td>221 125</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,430</td><td>138 1,430</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141 1,250</td><td>241 625</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142 1,250</td><td>242 625</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 430</td><td>243 215</td><td>Design issue fee</td><td></td></tr> <tr><td>144 630</td><td>244 315</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 220</td><td>126 220</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146 750</td><td>246 375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149 750</td><td>249 375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing fee or cover sheet		139 130	139 130	Non-English specification		147 2,390	147 2,390	For filing a request for reexamination		112 870	112 870	Requesting publication of SIR prior to Examiner action		113 1,740	113 1,740	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for response within first month		116 380	216 190	Extension for response within second month		117 900	217 450	Extension for response within third month		118 1,400	218 700	Extension for response within fourth month		119 290	219 145	Notice of Appeal		120 290	220 145	Filing a brief in support of an appeal		121 250	221 125	Request for oral hearing		138 1,430	138 1,430	Petition to institute a public use proceeding		140 110	240 55	Petition to revive unavoidably abandoned application		141 1,250	241 625	Petition to revive unintentionally abandoned application		142 1,250	242 625	Utility issue fee (or reissue)		143 430	243 215	Design issue fee		144 630	244 315	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Petitions related to provisional applications		126 220	126 220	Submission of Information Disclosure Stmt		581 40	581 40	Recording each patent assignment per property (times number of properties)		146 750	246 375	Filing a submission after final rejection (37 CFR 1.129(a))		149 750	249 375	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____				Other fee (specify) _____			
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SUBMITTED BY			Complete (if applicable)	
Typed or Printed Name	JACK V. Smith		Reg. Number	
Signature		Date	3/26/99	Deposit Account User ID

[illegible]

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

JACK V. Smith
(Signature of person making deposit)

Signature